



FREMONT

Department of Utilities



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BUSINESS PHONE 402-727-2600 • FAX PHONE 402-727-2667

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SEP 20 2012

September 18, 2012

Nebraska Dept of Environmental Quality
By: _____ DEQ# 195 _____

Shelley Schneider
Administrator, Air Division
Nebraska Department of Environmental Quality
Suite 400, The Atrium
1200 N Street
P.O. Box 98922
Lincoln, NE 68509-8922

RE: Request for Compliance Date Extension, Lon D. Wright Power Plant, Unit 8,
Mercury and Air Toxics Standards (MATS) under 40 CFR 63, Subpart UUUUU,
City of Fremont, Nebraska - NDEQ Facility ID# 48518

Dear Ms. Schneider:

The City of Fremont Department of Utilities (FDU) is requesting written approval from the Nebraska Department of Environmental Quality (NDEQ) to extend the MATS compliance deadline for Unit 8 at the Lon D. Wright Power Plant by one year, in accordance with Section 112(i)(3) of the Clean Air Act (CAA) and under the regulations for National Emissions Standards for Hazardous Air Pollutants, General Provisions published under 40 CFR 63.6(i).

The applicable regulations at 40 CFR 63.6(i)(6)(i) list the minimum information to be provided for this request, which includes:

- 1) A description of the controls to be installed to comply with the standard (in this case Subpart UUUUU)
- 2) A compliance schedule, showing steps toward compliance, including, a) the date of planned initiation of on-site construction of controls, b) the date when on-site construction would be completed, and c) the date by which final compliance would be achieved.

The minimum emission controls needed for meeting MATS requirements on Unit 8 are expected to include a baghouse for compliance with the particulate matter or selected non-mercury metals limits, and a mercury sorbent injection system ahead of the baghouse. FDU is uncertain at this time whether an acid gas removal system (scrubber or dry sorbent injection) would be needed for hydrogen chloride (HCl) removal, but may decide to install such a system as well to ensure HCl compliance given potential variability of chloride in the coals burned in this unit.

FDU is tentatively planning to combine the ash handling system of the modified Unit 8 with an ash handling system for Units 6 & 7. The construction of Unit 8 emissions controls would be staged to



minimize down time for Unit 8 during tie-in of the ductwork for the Unit 8 baghouse. Also complicating the process for FDU is the fact that separate Industrial Boiler Maximum Achievable Control Technology (B-MACT) requirements will apply to Units 6 & 7, likely in a similar timeframe. However, FDU is awaiting EPA's final reconsidered rule for B-MACT before it can plan for installation of any needed emissions controls on those units.

The one-year extension request for Unit 8 is needed due to the time required for preliminary engineering, preparation of bid documents, review of bids and selection of an engineer-procure-construct (EPC) contractor, detailed design by the EPC contractor, construction by the EPC contractor, continuous monitor performance evaluation/certification, and initial compliance testing/monitoring (30-day) by the EPC contractor to ensure that MATS emissions limits and other performance acceptance criteria are met by the EPC contractor's selected equipment prior to the compliance deadline. Given the procurement and engineering design needs for the substantial infrastructure, plus market competition for equipment vendor fabrication activities and for labor to complete the construction, the default 3-year compliance schedule (with compliance by April 16, 2015) is not feasible for Unit 8. With approval of the one-year extension, FDU's proposed schedule would be as follows:

<u>Milestone</u>	<u>Scheduled Date</u>
Issue Bid Documents to Potential EPC Contractors	Dec 14, 2012
Award EPC Contract	May 28, 2013
Submit Minor Permit Application	June 2013
Receive Permit to Construct	November 2013
Initiate On-Site Construction	Dec 3, 2013
Outage Window for Ductwork Tie-in	October 2015
Complete On-Site Construction	Nov 20, 2015
Complete Continuous Monitor Certification	January 20, 2016
EPC Contractor Completes Compliance Demonstration Testing	Feb 19, 2016
Date Final Compliance Achieved	April 16, 2016

If there are any questions regarding this request, please do not hesitate to contact me at (402)-727-2630 or via e-mail at Derril.Marshall@fremontne.gov.

Sincerely,

Fremont Department of Utilities



Derril Marshall
FDU General Manager

Cc: Karl Fryklind, HDR
Ed Liebsch, HDR



NEBRASKA DEPARTMENT OF ENVIRONMENTAL QUALITY
Air Quality Division

COMPLIANCE EXTENSION REQUEST

Applicable Rule: 40 CFR Part 63, Subpart A - National Emission Standards for Hazardous Air Pollutants (NESHAP) – General Provisions

*This form fulfills the requirements necessary to request an extension of compliance under 112(d) of the Clean Air Act (CAA) as specified in §63.6(i) and §63.9(c) of the Code of Federal Regulations (CFR). The deadline by which a request for an extension of compliance with a relevant standard must be received is **no later than 120 days before the compliance date of the standard*** [as specified in §63.6(b) and (c)]. The amount of time requested for the extension request cannot exceed one (1) year.*

**Please note that emissions standards established under this part may specify an alternative date (e.g., other than 120 days) for the submittal of requests for an extension of compliance if alternatives are appropriate for the source categories affected by those standards. Please check the relevant standard for alternative submittal dates (§63.6(i)(4)(i)(B)).*

Company Name City of Fremont, Department of Utilities Facility ID# 48518

Owner/Operator/Title Derril Marshall, FDU General Manager

Mailing Address 400 East Military Ave.

City Fremont

Zip 68025

Plant Address (if different than owner/operator's mailing address):

Street 2701 East 1st Street

City Fremont

Zip 68025

Plant Phone Number 402-727-2644

Plant Contact/Title James Adams, Plant Superintendent

This form must be completed, signed and submitted to NDEQ or the appropriate air pollution control agency no later than 120 days prior to the compliance date of the standard.

NDEQ Air Quality Division
1200 'N' St. Atrium, Suite 400
Lincoln, NE 68509-8922

If your facility is located in Omaha or Lancaster County, you must submit a notification to the appropriate air pollution control agency in that area and Region VII EPA.

1. What is the relevant standard from which you are requesting a compliance extension and its compliance date (For example, NESHAP Subpart ZZZZ for Reciprocating Internal Combustion Engines, etc.)?

NESHAP Subpart UUUUU for Coal- and Oil-Fired Electric Utility Steam Generating Units _____

Compliance Date of the Standard: April 16, 2015 _____

2. Identify the reasons why additional time is needed to comply with the standard: Procurement, Design, and Construction of Emissions Controls (see attached letter)

Provide the date (mm/dd/yy) when you first learned of the issues which led to this compliance extension request (§63.6(i)(4)(i)(C)): (NA - applies only to request < 120 from compliance date)

3. What controls are being installed at your facility to ensure compliance with the relevant standard (§63.6(i)(6)(i)(A))? A mercury sorbent injection system or dry scrubber and a baghouse

4. Provide a compliance schedule by identifying which of the following activities will be initiated and/or completed and the expected dates of completion as a part of the process of achieving compliance with the applicable standard (§63.6(i)(6)(i)(B)(1)-(2)):

Activities	Part of your compliance process	Expected date of completion (mm/dd/yy)	Comments (Optional)
On-site construction	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	11/20/15	_____
Installation of emission control equipment	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	11/20/15	_____
Process change	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	____/____/____	_____

5. Specify the date (mm/dd/yy) by which final compliance with the applicable standard is to be achieved (§63.6(i)(6)(i)(B)(2)): 04/16/16

6. Has your facility been issued an Air Quality Operating Permit? Yes ☒ No ☐

- If yes, what type of permit were you issued and what was the most recent date of issuance?

Class I Operating Permit?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, date issued (mm/dd/yy)? 08/09/12
Class II Operating Permit?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, date issued (mm/dd/yy)? ____/____/____

Source Classification - Check the boxes that apply:

- ☒ Facility is a major source of hazardous air pollutants (HAPs).*
- ☐ Facility is an area source of HAPs.*
- *Note: A major source is a facility that has a potential to emit greater than 10 tons per year of any single HAP or 25 tons per year of all HAPs combined. All other sources are area sources. The major/area source determination is based on all HAP emission points inside the facility fence line.*
- ☒ Affected unit/source is classified as an existing source under the relevant standard.**
- ☐ Affected unit/source is classified as a new source under the relevant standard.**
- **Note: To determine if your unit/source is new or existing, please consult the relevant standard or contact the NDEQ.*

Certification

Print or type the name and title of the Responsible Official* for the facility:

Name: Derril Marshall

Title: General Manager, FDU

I CERTIFY THAT INFORMATION CONTAINED IN THIS REPORT IS ACCURATE AND TRUE TO THE BEST OF MY KNOWLEDGE.

By signing this form, I am providing official notification that I am unable to comply with the relevant standard and require additional time for the reasons specified in this form (§63.6(i)(4)(i)(A)).


(Signature of Responsible Official)

9-19-2012
(Date)

*A Responsible Official can be:

- The president, vice president, secretary, or treasurer of the company that owns the plant;
- An owner of the plant;
- A plant engineer or supervisor of the plant;
- A government official, if the plant is owned by the Federal, State, City, or County government; or
- A ranking military officer, if the plant is located at a military base.